

GUIDELINES FOR REQUESTING LISTING AND DE-LISTING OF CHEMICALS  
AS INTERPRETED BY THE TOXICS USE REDUCTION INSTITUTE SCIENCE  
ADVISORY BOARD - MARCH 1, 1995

The goal of the Toxics Use Reduction Act (TURA) is to reduce the use of substances or the generation of hazardous by-products that may present an unreasonable risk to public health and the environment. This goal extends to the further processing, consumer use and disposal of these substances, in the present and in the future. A request for listing or de-listing of substances by the Commonwealth of Massachusetts, under the provisions of TURA, should include a statement justifying the request in view of the goals of TURA.

The decision to list or de-list a substance applies to all uses in the Commonwealth of Massachusetts, not just to the uses or applications at a particular company or facility. A substance may be added or deleted from the TURA reportable list if the Administrative Council, after consultation with the Toxics Use Reduction Institute and its Science Advisory Board, determines that there is sufficient evidence to establish any one of the following:

1. The chemical or substance is known to or can reasonably be anticipated to cause significant human health effects at levels that may result from anticipated handling, use, and disposal under all likely conditions. Conversely, if the request is to de-list, the chemical or substance must not be known or cannot be reasonably anticipated to cause such human health effects.

2. The chemical or substance is known or can reasonably be anticipated to cause in humans,  
(a) cancer or teratogenic effects, or,  
(b) serious or irreversible effects including reproductive dysfunction, neurological disorders, heritable genetic mutations, or other chronic health effects.

3. The chemical or substance is known or can reasonably be anticipated to cause a significant adverse effect on the environment because of ,  
(a) its toxicity,  
(b) its toxicity and persistence in the environment, or,

(c) its toxicity and tendency to bioaccumulate in the environment.

Conversely, if the request is to de-list, the chemical or substance must not be known or cannot be reasonably anticipated to cause the above human or environmental effects.

Inclusion of the following information will facilitate review by the TURI Science Advisory Board in making its recommendations to the Toxics Use Reduction Institute for subsequent analysis and decision with regard to listing or de-listing:

1. General information on properties including vapor pressure, Kow (octanol/water), Bioconcentration Factor (BCF), persistence, and Kp (permeability coefficient through the skin), the reference dose (RfD), LD50, EC50,  $q^*$  (unit risk for carcinogenicity), PNEC, flash point or flammability index, pH or corrosivity index, and reactivity information. Applicants providing this information should state the source of the data.

2. Specific information on the chemical or substance including its use in the Commonwealth of Massachusetts, levels in individual companies or plants where it is used, disposal practices, transportation and handling practices, products or customer uses, and other known uses.